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INTRODUCTION & PLAN PREPARATION

1.1 INTRODUCTION

The California State Legislature passed AB 797, the Urban Water Management Planning Act (Act) of 1983, which became effective January 1, 1984. The Act requires every urban water supplier providing water for municipal purposes to more than 3,000 customers, or supplying more than 3,000 acre-feet of water annually, to prepare and adopt an Urban Water Management Plan (UWMP). The act also requires urban water suppliers to update the UWMP in years ending in five and zero using a 20 to 25 year planning horizon. For 2010, the submission deadline was extended to July 31st, 2011 due to additional Plan requirements set forth in the Water Conservation Act of 2009. The City of Morgan Hill, a water provider, fits the defined criteria, and has prepared this UWMP addressing all the requirements set forth in the State of California Water Code Sections 10610 through 10657. The City of Morgan Hill has prepared Plans dated 1985, 1990, 1996, 2001, and 2005.

Since its passage, many amendments have been added to the Act. These changes are intended to encourage increased regional planning and the cooperative management of California's most precious commodity - water. As a result, UWMPs have evolved to become:

- Foundation documents and sources of information for Water Supply Assessments and Written Verification of Water Supply,
- Long range planning documents for water supply,
- Source data for the development of regional water plans,
- Source documents for cities and counties preparing their General Plans, and
- Key components of Integrated Regional Water Management Plans.

For the City of Morgan Hill, the benefits of updating the UWMP extend beyond legislative compliance. This document is a reference document intended to complement other UWMPs by analyzing conservation issues and the water supply available to the City of Morgan Hill. An effective UWMP aimed at developing a greater level of water conservation, awareness, and reliability requires the coordinated efforts on key tasks by the Department of Water Resources (DWR) and Santa Clara Valley Water District (SCVWD), along with the City of Morgan Hill citizens. This document also summarizes the current and proposed water management

activities performed by the City of Morgan Hill to provide dependable, adequate and safe water. The UWMP further identifies proposed projects with a description of resulting water costs, benefits, and implementation schedule.

Specifically, the goals of this plan are:

- To provide a local perspective on current and proposed water conservation programs,
- To review current conservation programs and efforts,
- To evaluate potential conservation methods and identify improvements, as appropriate to the Morgan Hill programs,
- To provide a general framework for the development of mechanisms for coping with both short-term and long-term deficiencies in regional and/or local water supplies, and
- To serve as a flexible plan that can be updated periodically to reflect changes in regional and local trends, conditions and conservation policies (at least once every five years in accordance with Section 10621 and 10644 of AB 797).

In compliance with the State mandate and accordance with the best practices of water management, Morgan Hill has prepared this UWMP. The 2010 Santa Clara Valley Water District Urban Water Management Plan is incorporated into this plan by reference.

1.2 REGULATORY CHANGES

New to the 2010 “Act” are several additions, the most important of which include:

- The Water Conservation Act of 2009 (SBx7-7)
- Assembly Bill 1420

SBx7-7 established the legislative framework to achieve Governor Schwarzenegger’s call for a statewide per capita water use reduction of twenty percent by the year 2020. Urban retail water suppliers are required to report in their 2010 Plans their baseline and target per capita water use reduction values and implementation strategies to assist the state in meeting this goal.

Assembly Bill 1420 conditions a water supplier’s eligibility for state-funded grants on implementation of the fourteen Demand Management Measures (DMMs). For DMMs that are not currently implemented, a schedule for implementation must be submitted, including a financing plan and budget in the grant or loan agreement. Alternatively, if a DMM is not determined to be cost-effective, documentation supporting this argument is required. The City of Morgan Hill addresses the implementation of DMMs in Section 6 of the Plan.

1.3 PLAN ORGANIZATION

The chapters in this UWMP have been organized to correspond to the outline of the California Department of Water Resources' "Guidebook to Assist Urban Water Suppliers to Prepare a 2010 Urban Water Management Plan". Additionally, the sequence used to present the information may be different from that shown in the Act in order to present the material in a manner reflecting the unique conditions within the City of Morgan Hill service area. This UWMP is organized according to the following chapters:

1

INTRODUCTION & PLAN PREPARATION

Chapter 1 describes organization of the 2010 UWMP, background related to plan preparation, stakeholder involvement and the coordination with key stakeholders.

2

SYSTEM DESCRIPTION

Chapter 2 describes the City of Morgan Hill service area, including the climate and demographics, and provides an overview of the water system facilities.

3

SYSTEM DEMANDS

Chapter 3 documents historical water use including use by sector, baseline and target per capita water use reduction values, demand projection calculations and the method used to develop these projections.

4

SYSTEM SUPPLIES

Chapter 4 outlines the sole source of water within the City of Morgan Hill – groundwater. Additionally, recycled water, graywater, desalination, and transfer and exchange opportunities are considered.

5

WATER SUPPLY RELIABILITY & WATER SHORTAGE CONTINGENCY PLANNING

Chapter 5 outlines the City of Morgan Hill's Water Shortage Contingency Plan, as well as documentation of the three dry year scenario, mandatory prohibitions, penalties or charges for excessive use, revenue and expenditure impacts, and mechanisms to determine reductions in water use.

6

DEMAND MANAGEMENT MEASURES

Chapter 6 describes the water conservation programs implemented by the City of Morgan Hill in an effort to reduce water usage in the City.

7

CLIMATE CHANGE

Chapter 7 briefly outlines the impacts of climate change on the availability of supply, as well as City strategies to minimize emissions contributing to climate change.

1.4 COORDINATION

Urban Water Management Planning Act Requirement:

10620(d)(2) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.

The City of Morgan Hill ensured the preparation of its 2010 Urban Water Management Plan was coordinated with the appropriate water and public agencies. The Santa Clara Valley Water District, its member retail agencies, and Santa Clara County were encouraged to participate in the development of the plan.

Urban Water Management Planning Act Requirement:

10621(b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days prior to the public hearing on the plan required by Section 10642, notify any city of county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.

The City of Morgan Hill sent notification letters to Santa Clara County and the Santa Clara Valley Water District approximately 90 days prior to the public hearing. Copies of the letters are available in Appendix A.

Urban Water Management Planning Act Requirement:

10635(b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

The City of Morgan Hill will provide copies of its 2010 Urban Water Management Plan Update to Santa Clara Valley Water District and Santa Clara County within 60 days of submission of the plan to the California Department of Water Resources (DWR).

Urban Water Management Planning Act Requirement:

10642 Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.

The City of Morgan Hill realizes the importance different social, cultural, and economic elements within its service area can have on the quality and success of its plan and water conservation efforts. The City encouraged all members of the public to attend the public hearing, and the City solicited written input from the public. Additionally, the City advertised, and provided a draft version of the plan on its website, along with a hardcopy on the counter of the City Hall building, to allow public review and comment.

Urban Water Management Planning Act Requirement:

10642 Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, the notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area.

In addition to the website, electronic drafts of the 2010 Urban Water Management Plan Update were mailed upon request. A public notice including the time and place of the hearing was advertised in the local newspaper once per week for two consecutive weeks prior to the hearing, according to Government Code Section 6066. The hearing was held on June 1st, 2011 at 7:00 pm in the City Council Chambers, located at 17555 Peak Avenue, Morgan Hill, CA 95037. A summary of the City of Morgan Hill's coordination efforts is provided in Table 1.4.1 and Table 1.4.2.

**Table 1.4.1:
Coordination with Appropriate Agencies**

Agency	Participated in UWMP	Commented on the Draft	Attended Public Meetings
Santa Clara Valley Water District			
County of Santa Clara			
City of Morgan Hill	✓		✓

**Table 1.4.2:
Coordination with Appropriate Agencies**

Agency	Contacted for Assistance	Received Copy of Draft	Sent Notice of Intention to Adopt	Not Involved / No Information
Santa Clara Valley Water District	✓	✓	✓	
County of Santa Clara	✓	✓	✓	
City of Morgan Hill	✓	✓	✓	

1.5 PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

Urban Water Management Planning Act Requirement:

10621(c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

All amendments to the City of Morgan Hill's 2010 Urban Water Management Plan Update shall be adopted and filed consistent with the UWMP "Act" requirements.

Urban Water Management Planning Act Requirement:

10642 After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

The plan was adopted by the City Council on June 1, 2011 as prepared. A copy of the adoption resolution is provided in Appendix B.

Urban Water Management Planning Act Requirement:

10643 An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

The City will implement the strategies set forth in the plan immediately upon adoption by the City Council. Details on the implementation of actions regarding the water supply and demand reduction are discussed in the respective sections of the plan.

Urban Water Management Planning Act Requirement:

10644(a) An urban water supplier shall submit to the department, the California State library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

The City of Morgan Hill will submit copies of its 2010 Urban Water Management Plan to the following agencies within 30 days after adoption:

- The California Department of Water Resources
- The California State Library
- Santa Clara County

Additionally, any amendments or changes to the plan will be submitted to the above agencies within 30 days after adoption.

Urban Water Management Planning Act Requirement:

10645 Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

The City of Morgan Hill will provide an electronic version of the final 2010 Urban Water Management Plan on its website for public review within 30 days of filing the plan with the California Department of Water Resources. Additionally, a hard copy will be available for review at the City Hall building.